



Questionnaire: Request for Tender – Boiler Feed Water Treatment		
From company:		
Contact partner:		
- telephone no.:		
- e-mail:		
Project:		
Site of installation:		
Tender requested until:		
Steam Boiler		
Type:		
Superheater:	yes / no	
Spray-type desuperheater:	yes / no	
Steam capacity (mass flow):	kg/h	
Operating gauge pressure:	bar	
Operating temperature:	°C	
Thermodynamic Data		
Desired feed water temperature:	°C	
Condensate return:	kg/h	
Condensate temperature:	°C	
Make-up water temperature:	°C	
Heating steam gauge pressure:	bar	
Heating steam temperature	°C	
Required Boiler Feed Water and Boiler Water Quality		
Boiler feed water and boiler water quality according to DIN EN 12953-10 / DIN EN 12952-12		
Further standards/guidelines:		
Water-chemical mode of operation:		
Raw Water Quality		
Source:		
Existing pre-treatment:		
Temperature at connection point:	°C	
Primary pressure at connection point:	bar	
Water analysis:	see attachment	
Pressure Vessel Requirements		
According to the European Pressure Equipment Directive 97/23/EC		
Applied standard:	DIN EN 13445 / AD 2000 Merkblätter	
Further standards/guidelines:		
Scope of Supply		
Make-up water treatment:	yes / no	
Condensate purification:	yes / no	
Thermal deaeration:	yes / no	
Vapours condenser:	yes / no	
Dosing station:	yes / no	
Condensate tank:	yes / no	
Boiler water flash tank:	yes / no	
Control cabinet:	yes / no	
Freight, packing:	free works / free construction site / no	
Installation:	yes / no	
Commissioning:	yes / no	



Water Analysis – Raw Water		
Source:	-	
Location of sampling:	-	
Date of sampling:	-	
Date of analysis:	-	
Turbidity (qualitative):	-	
Colour (qualitative):	-	
Odour (qualitative):	-	
Temperature:	°C	
pH-value:	pH	
Conductivity:	µS/cm	
Total alkaline earths:	mmol/l	
Calcium (Ca):	mg/l	
Magnesium (Mg):	mg/l	
Iron (Fe):	mg/l	
Manganese (Mn):	mg/l	
Copper (Cu):	mg/l	
m-Alkalinity / acid capacity $K_{S4,3}$ :	mmol/l	
Chloride (Cl <sup>-</sup> ):	mg/l	
Sulphate (SO <sub>4</sub> <sup>2-</sup> ):	mg/l	
Silicate (SiO <sub>2</sub> ):	mg/l	
Chlorine (Cl <sub>2</sub> ):	mg/l	
Total Organic Carbon (TOC):	mg/l	
Silt Density Index (SDI):	-	



Please fill out the questionnaire, and send it together with all other relevant documents to either the e-mail address [info@karrasch-eckert.de](mailto:info@karrasch-eckert.de), or to the fax number +49 (0)5143 93514.

In case not all data is available to you yet, we will often be able to make reasonable assumptions based on the present data. In doubt, we will be glad to contact you for clarification.

Please feel free to contact us with any further questions.

Contact Data:

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